

Questions to be investigated

What factors affect the amount of water held by a disposable diaper?

What factors affect the density of chewing gum

What factors affect the buoyancy of tin foil boats

What factors affect the reaction of steel wool with various substances?

What factors affect the rate at which a sugar cube will dissolve in a liquid?

What factors affect the height of an effervescent rocket?

What factors affect the stopping time of a toy car?

What factors affect the freezing point of water?

What factors affect the voltage of a “fruit battery”?

What factors influence the height of a golf ball will bounce?

How do materials differ in their ability to conduct heat?

What might affect the velocity of a marble as it travels through a plastic tube roller coaster?

What factors affect the movement of food coloring in a liquid?

What factors affect the amount of time it takes for a parachute to hit the ground?

What factors affect the rate of “weathering” on an effervescent tablet?

What factors affect the height of a volcanic eruption?

What factors affect the flight of a loop plane?

What factors affect the period of a pendulum?

What factors affect the “lifetime” of a soap bubble?

What factors affect salt crystal growth?

What factors affect the boiling point of water?

What factors affect evaporation rate?

Lab Investigations: Format

Step 1: The problem

- List the question
- Brainstorm a list of factors that will affect this problem
- Choose one factor (IV). The result is the DV
- List IV
- List DV

Step 2: Hypothesis

- If (IV), then (DV)

Step 3: Materials and Procedure

- List all materials, as specific as possible
- Write out procedure
 - I. Bulleted or numbered

Step 4: Presenting Results

- Design a data table for the results of the lab
- Design a graph to visually show the results

Step 5: Conclusion

- Connect your results to your hypothesis.
- Hypothesis accepted or rejected, why
- Paragraph form. 6 Sentence min. Spell ck.